# BRUHAT BENGALORU MAHANAGARA PALIKE

## YELAHANKA ZONE

**Name of Work** : Modified Estimate for the Work of Construction RCC Drain at Sai baba Temple in Kondappa ayout Ward No.02 of Yelahanka Sub-Division

| Sl. No. | Description of Item | Unit | No. | L | B | D | Qty. | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Modified Estimate Cost Rs. | | 798539.00 |
| 1 | KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, P.No.5 / Item No.2.3 / PWD SR 2015-16 | | | | | | | | |
| | 7th Cross Road | Cum | | | | | | | |
| | for Drain | | 1 | 62.00 | 0.90 | 0.90 | 50.22 | | |
| | for Road | | 1 | 55.00 | 4.00 | 0.30 | 66.00 | | |
| | | | | | | | **116.22** | 192.24 | **22342.00** |
| | Schedule 'B' Rate | 192.24 | | | | | | | |
| 2 | KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 130 (SR 2015-16) | | | | | | | | |
| | | Cum | | | | | | | |
| | | | | Qty Vide Item No.1 | | | **116.22** | 85.60 | **9948.00** |
| | Schedule 'B' Rate | 85.60 | | | | | | | |
| 3 | KSRRB M300-53 Construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) MORTH specification No. 305, (P No.144 / Item No. 19.60) PWD SR 2015-16 | | | | | | | | |
| | | Cum | | | | | | | |
| | for Road | | 1 | 55.00 | 4.00 | 0.30 | 66.00 | | |
| | | | | | | | **66.00** | 311.04 | **20529.00** |
| | Schedule 'B' Rate | 311.04 | | | | | | | |
| 4 | KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs with 40mm and down size graded granite metal coarse aggregate @ 0.892cum and fine aggregate @ 0.465 cum machine mixed concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification No. KBS 4.1,4.2.(P No. 12 / Item No.4.2) PWD SR 2015-16 | | | | | | | | |

| Sl. No. | Description of Item | Unit | No. | L | B | D | Qty. | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | Cum | | | | | | | |
| | for Drain | | 1 | 62.00 | 0.90 | 0.15 | 8.37 | | |
| | for Road | | 1 | 55.00 | 4.00 | 0.15 | 33.00 | | |
| | | | | | | | **41.37** | 5236.92 | **216651.00** |
| | Schedule 'B' Rate 5236.92 | | | | | | | | |
| 5 | KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2015-16 | | | | | | | | |
| | | Cum | | | | | | | |
| | for Drain | | 1 | 62.00 | 0.90 | 0.15 | 8.37 | | |
| | | | 2 | 62.00 | 0.15 | 0.60 | 11.16 | | |
| | | | | | | | **19.53** | 6198.12 | **121049.00** |
| | Schedule 'B' Rate 6198.12 | | | | | | | | |
| 6 | KSRB 4.9.2 providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46/ PWD SR 2015-16 | | | | | | | | |
| | | Cum | | | | | | | |
| | | | *60% of Qty Vide Item No.5* | | | | 11.72 | | |
| | | | | | | | **11.72** | 6980.58 | **81798.00** |
| | Schedule 'B' Rate 6980.58 | | | | | | | | |
| 7 | KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.21 (P.15 / I.4.31 ) PWD SR 2015-16 | | | | | | | | |
| | | Sqm | | | | | | | |
| | | | 2x2 | 62.00 | | 0.60 | 148.80 | | |
| | | | | | | | **148.80** | 306.72 | **45640.00** |
| | Schedule 'B' Rate 306.72 | | | | | | | | |

| Sl. No. | Description of Item | Unit | No. | L | B | D | Qty. | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 8 | Providing precast Covering Slab for Drain (10cm thick) | | | | | | | | |
| | | Sqm | | | | | | | |
| | | | 1 | 62.00 | 0.90 | | 55.80 | 1498.00 | 83588.40 |
| | Schedule 'B' Rate 1498.00 | | | | | | | | |
| 9 | Cement concrete pavement Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M30(at 360 kg per cum coarse aggregate @ 0.69 cum and fine aggregate @0.46 cum) , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 eaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications (P.No.174 / It No.22.6.1) | | | | | | | | |
| | | Cum | | | | | | | |
| | | | 1 | 55.00 | 4.00 | 0.10 | 22.00 | | |
| | | | | | | | 22.00 | 5957.28 | 131060.00 |
| | Schedule 'B' Rate 5957.28 | | | | | | | | |
| | | | | | | Sub-Total Amount | | | 732605.00 |
| 10 | 9% for KRIDL Charges | | | | | | | | 65934.00 |
| | | | | | | Total Amount | | | 798539.00 |

CERTIFICATE

1) The site has been inspected and the work is found to be necessary.
2) This Item rates adopted are as per PW,P IWTD SR of 2015-16 and data rate of Bangalore Circle.
3) The provisions were made in this estimate are necessary and adequate.
4) The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.

Assistant Engineer
Ward No.02
Chowdeshwari Layout

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

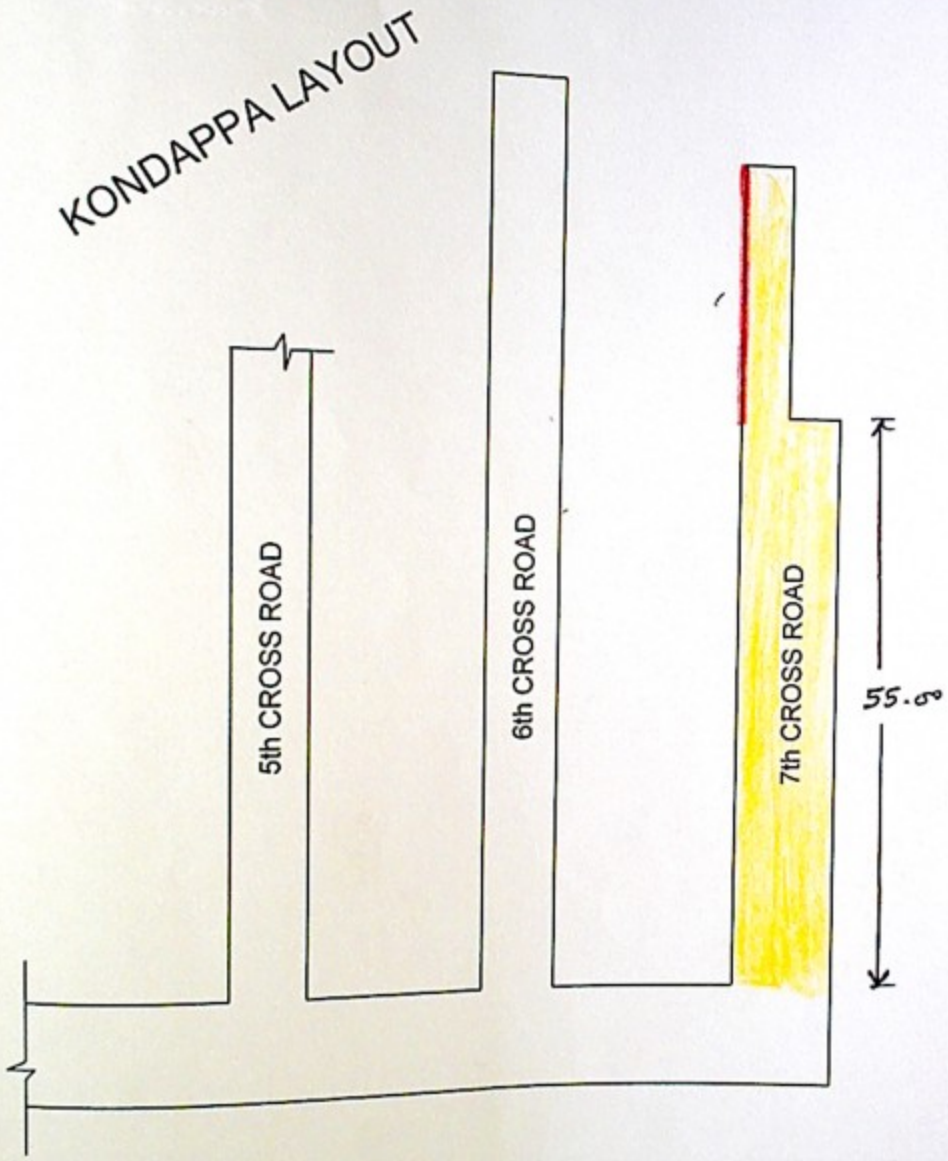
Executive Engineer
Yelahanka-Division
B.B.M.P

"Modified Estimate Sanctioned"

Chief Engineer
Yelahanka Zone
Bruhath Bangalore Mahanagara
Palike Bangalore
15/6/17

NAME OF WORK : Modified Estimate for the Work of Construction RCC Drain at Sai baba Temple in Kondappa Layout Ward No.02 of Yelahanka Sub-Division

KEY : NOT TO SCALE

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- CC ROAD

Assistant Engineer
Ward No.02
B.B.M.P

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P